

SensorDock™ Multi-Point Averaging Sensor Power Supply



FEATURES

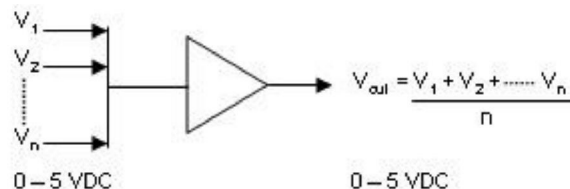
- Wide Power Supply Input Range from 15V to 40V
- AC or DC Power Supply Input
- Up to 8 Sensor Connections
- Supplies 12 VDC to Each Sensor
- Sensor Input Range from 0V to 5V
- Output = Average of Inputs with an Output Range from 0V to 5V
- Sealed Enclosure

APPLICATIONS

- Large HVAC ducting systems utilizing an array of airflow sensors to yield the average airflow within a large duct
- Any grouping of products producing a 0-5 VDC output and powered by 12 VDC @ 125 mA or less, where an average output of all those products is desired.

The **SensorDock™** Model CA-308 is an averaging amplifier for applications requiring an average output of several similar sensors.

The **SensorDock™** provides power for up to 8 similar sensors, averages the outputs of those sensors, and provides a single averaged output to a controller or other device. The Supply operates with most sensors that produce an output from 0-5 VDC.



Specifications

Power Requirements:	15 V to 40 VAC/DC
Sensor Power Input / Power Supply Output:	12 VDC, 125 mA Maximum for Each Sensor
Sensor Output / Amplifier Input:	0 V to 5 VDC
Amplifier Output Format:	0 V to 5 VDC @ 18 mA
Accuracy:	±2% of Reading
Electrical Connections:	Terminal Blocks, 18 - 22 AWG
Temperature Range:	0° to 122° F (-18° to 50° C), Operating -40° to 257° F (-40° to 125° C), Storage
Enclosure Size, Overall:	Approximately 5.9" x 5.9" x 3.6" (150 x 150 x 91 mm)
Enclosure Material:	ABS/PC Blended Plastic, UL94-5VB Flammability Rating
Environment:	FOR INDOOR USE ONLY
Humidity:	80% RH, Non-condensing
Wall Mounting Brackets:	Stainless Steel

